

# Hosting Http Servers

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## 1. Introduction

This document is about options available to host HTTP Servers.

In my case it's about hosting locally servers to test or to keep some private sites (wiki, docs, etc.).

## 2. Market share of different Web Servers

[W3tech - web servers market share](#)

As of 05/2025

- Nginx – 33.8% of websites
- Apache – 26.2%
- Cloudflare Server – 23.8%
- LiteSpeed – 14.6%
- Node.js – 4.5%
- Microsoft IIS – 3.9%
- Envoy – 1.4%
- Google Servers – 0.8%
- Caddy – 0.3%

Tengine, Cowboy, Kestrel – 0.1% each

## 3. Solutions available

## 3.1. Python (Built-in HTTP Server)

If you have Python 3, navigate to the site directory and run:

```
cd the-site  
python -m http.server 8080
```

Now your the site is available at <http://localhost:8080>.

## 3.2. Node.js (http-server)

The following package should be installed :

```
npm install -g http-server
```

```
cd the-site  
http-server -p 8080
```

## 3.3. Nginx

You can install Nginx on Windows by following these steps:

1. Download Nginx Go to the official Nginx download page.

Download the latest mainline version (recommended for new features) or the stable version.

1. Extract the Files

```
Locate the downloaded .zip file.
```

```
Extract it to a directory, e.g., C:\nginx.
```

2. Start Nginx

```
Open Command Prompt as Administrator.
```

```
Navigate to the extracted folder:
```

```
cd C:\nginx  
start nginx.exe
```

#### 4. Verify installation

Open a browser and go to <http://localhost>. If installed correctly, you should see the Nginx welcome page.

#### 3. Manage Nginx

Stop Nginx: `nginx -s stop`

Quit Nginx gracefully: `nginx -s quit`

Reload configuration: `nginx -s reload`

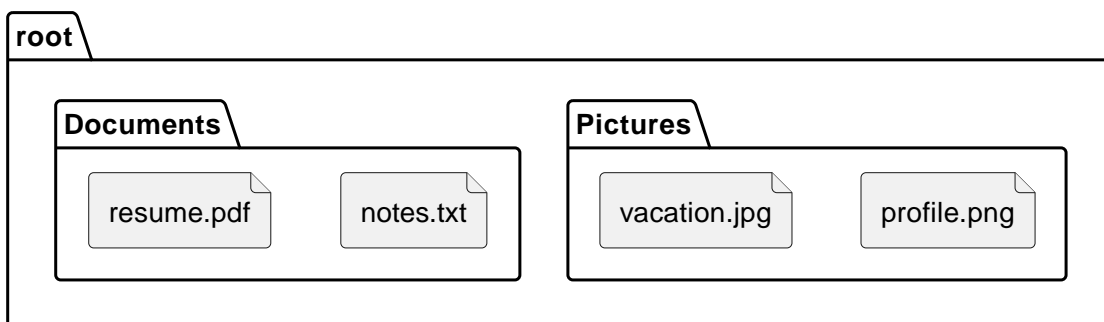
Reopen log files: `nginx -s reopen`

#### 4. Add new site

The site deployed on `D:\KnowledgeManagement\docs` is published on <http://localhost:8080>

```
server {  
    listen 8080;  
    server_name KnowledgeManagement.local;  
    root D:\KnowledgeManagement\docs;  
    index index.html;  
}
```

## 4. Example UML Diagram



## 5. Example graphviz

